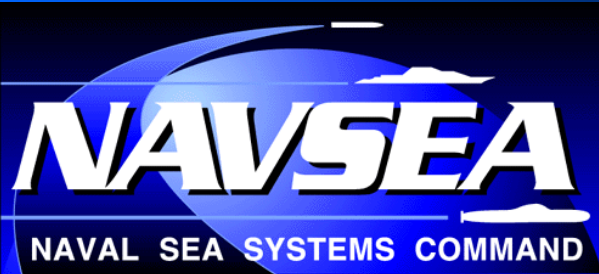# NAVSEA 04L5 CONFIGURATION MANAGEMENT ERP IPT

"NEMAIS Phase A

Ms. Debra Wood, SEA 04L51
Configuration Manager
CM and Fleet Readiness Division
21 Aug 2001
http://cm.navsea.navy.mil

Agenda Topics

21 AUG
- SAP R/3 Terminology
- Phase A SAP/CDMD-OA Interface
- SAP R/3 Demonstration
- Open Discussion

22 AUG
- ERP Corporate Overview
- Revised NEMAIS Schedule
- Industry Visits
- New Construction Meeting
- ERP Cross Pilot Workshops
- CDM Data Clean-Up Status
- Phase A Initial Data Load (E-52)
- Phase A Change Updates (ASI)
- "Concept" Functional Location vs HSC
- Open Action Items/Business Process Reengineering (BPR)
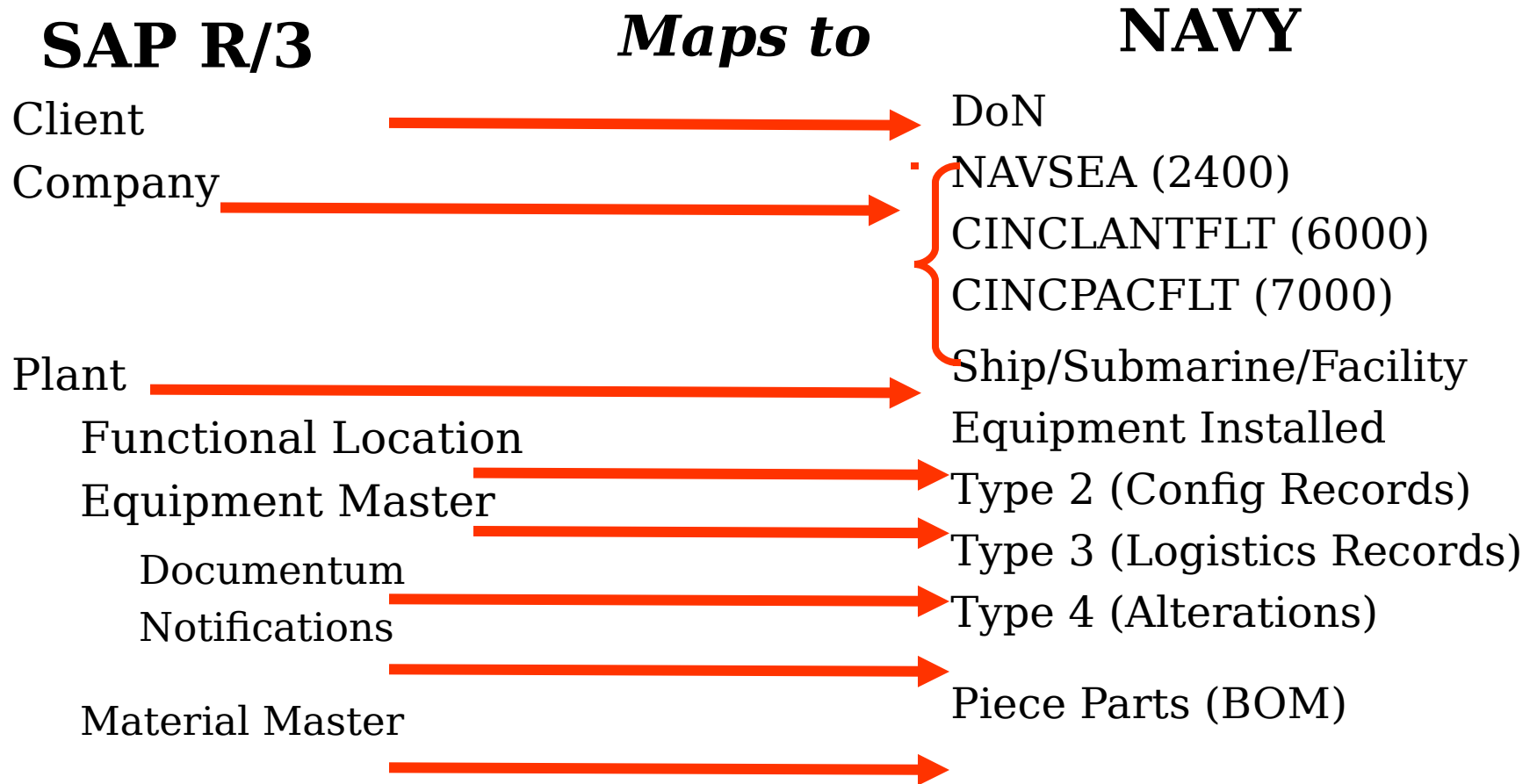- Closing Remarks

CONFIGURATION MANAGEMENT ERP IPT 21-22 August 2001

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Opening Remarks

- CM ERP IPT
  - Introductions
  - Sign in Sheet
    - Name and Phone Number
    - Email Address
  - Administrative Remarks
    - Rest Room, Locations
    - Working Lunch 22 August 2001

SAP R/3 Terminology
21 August 2001

SAP R/3	***Maps to***	**NAVY**
Client	→	DoN
Company	→	NAVSEA (2400)
		CINCLANTFLT (6000)
		CINCPACFLT (7000)
Plant	→	Ship/Submarine/Facility
Functional Location		Equipment Installed
Equipment Master	→	Type 2 (Config Records)
	→	Type 3 (Logistics Records)
Documentum	→	Type 4 (Alterations)
Notifications	→	
Material Master		Piece Parts (BOM)
	→	

SAP/CDMD-OA Interface

21 August 2001

- Phase A Interface Specification
  - Highlights
    - Only Migrating SIMA Core Data Elements
    - No Bi-directional CDMD-OA/SAP interface in Phase A
    - E52 Process will Load Initial SAP Configuration
    - ASI Process will Update Baseline Configuration
      - Keeping SAP & CDMD-OA in Synch
    - RAD will direct 2Kilos to SIMA (SAP) & CKs to CDMD-OA
    - Documentum will be the Access Link to Type 3 Data (TM,DWG's, etc.)

SAP R/3 Demonstration
21 August 2001

- ## SAP DEMO Overview
  - CG-53 Test Data
    - Logon
    - Menu
    - Functional Location
      - UIC + ESWBS (Phase A)
      - UIC + "Expanded" ESWBS (Phase C)
    - Equipment Master
      - Type 2, Configuration Data
    - Material Master
      - WSF, Piece Parts Data
    - Alterations
      - Type 4, Alteration Data
    - Documentum
      - Type 3, Logistics Support Documents, TM, DWG's etc.)

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SAP R/3 Demonstration(Cont.)

BREAK

SAP R/3 Demonstration(Cont.)

SAP
"Actual"
Demonstration

21 August 2001

OPEN DISCUSSION

ADJOURN
(Day #1)

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DAVE NOBLE PITCH ERP Corporate Overview

Industry Visits

- Rolls Royce
  - Primary Lessons Learned
    - Develop Integrator Expertise "In-House"
    - Ensure Data is Accurate Prior to Migration
    - Clearly Define Roles & Responsibilities
    - Avoid any Customizing of SAP Core System
  - Rolls Royce ERP Director
    - Providing SEA04L5 with in-house SAP Training Aids, Business Principles, and Data Clean up Strategy

New Construction Meeting

- DDG-51 New Construction Meeting
  - Representatives from SEA 04L5, BIW, INGALLS, SUPSHIPs, FOSSAC, SPAWAR and NAVICP
  - To educate New Construction Community on ERP Initiatives using SAP R/3 as the Software Solution
  - DDG-51 New Construction Team Agreed to:
    - Document the many undocumented "As Is" processes used by SUPSHIPSs and Shipbuilders
    - Identify all databases and Interface documentation

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ERP Cross Pilot Workshops

- ERP Cross Pilot Workshops
  - Financial and Organization Workshop
    - 7-8 August 2001
  - Human Resources & Personnel Workshop
    - TBD
  - Material Master Workshop
    - 14-16 August 2001
  - Vendor & Customer Master Workshop
    - 21-22 August, 2001
  - Equipment Master Workshop
    - 23-24 August 2001

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SEA 04L5 CM ERP IPT

22 August 2001

BREAK

CDM Data Clean-Up
22 August 2001

- Critical Data Elements
  - SUBLANT/PRC concurs with recommendation for Category 1 (Configuration Identification/Drive Parts)
  - NSLC DetPAC-Proposal does little to minimize # data elements req'd for Config and to drive parts.
    - Focus clean up effort on core critical data elements
    - For data that cannot be directly mapped to an SAP data element, consider using existing SAP data elements and phasing out those legacy data elements
    - Effort should be coordinated with NAVICP to ensure accurate parts support for installed configuration
  - PMS 500F-Concurrence with core data elements
    - Consider data elements needed for user, sailor or shore activity to perform maintenance tasks
    - Reevaluate core data elements after Phase A SAP implementation

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CDM Data Clean-Up (Cont.)
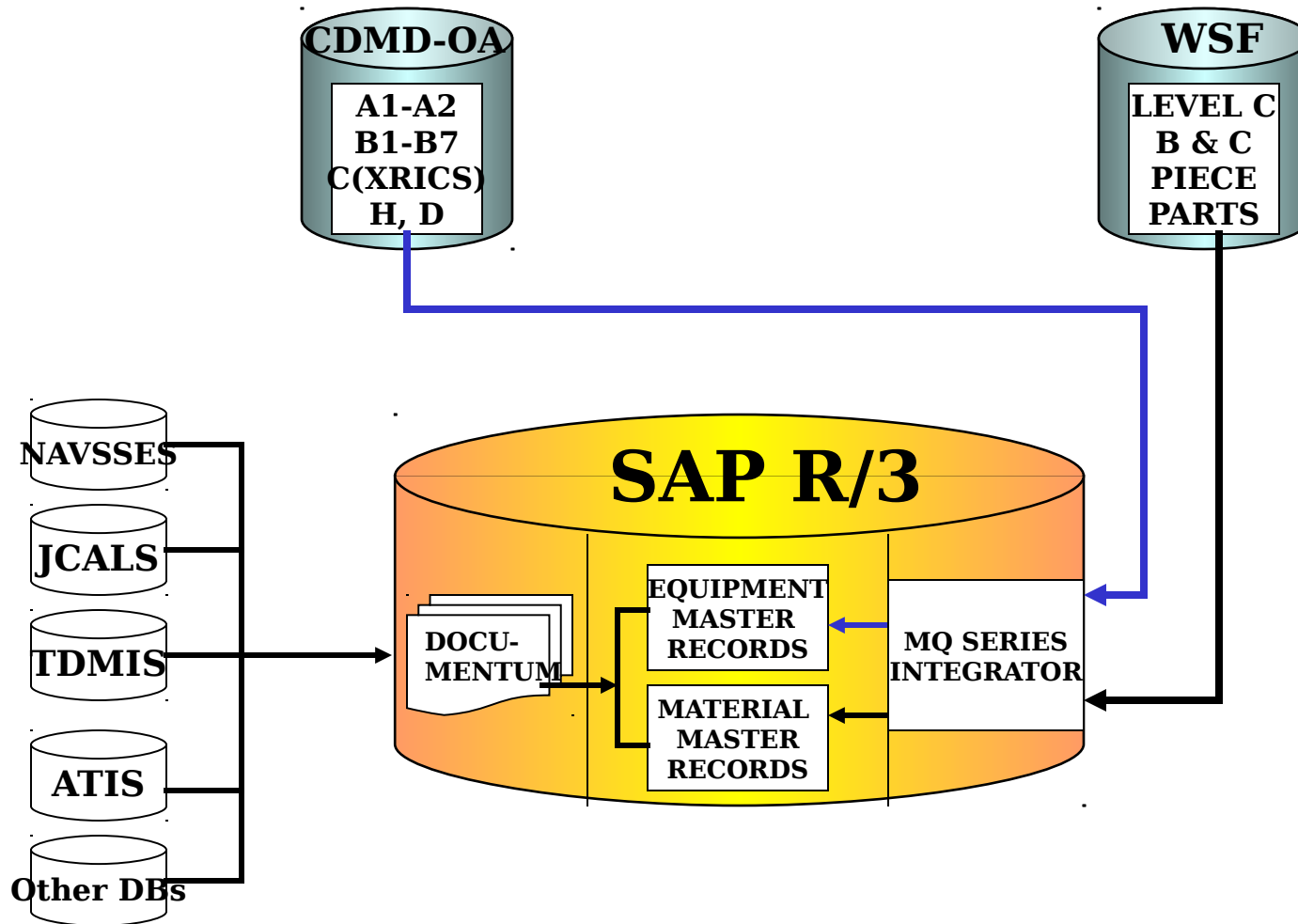
22 August 2001

- Core Data Elements
  - Directly Mapped into SAP R/3
    - EFD, S/N, WCRE, Location, PRID, MCC, APL
  - Placed in Classification
    - RIN, APL, Parent APL, Quantity Per, Parent Equipment Serial Number, HSC, Installation Status Code, EIN,
  - Placed in Notification for Alterations
    - APL/AEL Nomenclature, Alteration Type, RIN, Parent RIN, Alteration RIC, Alteration Number, LSSC
  - Placed in Functional Location
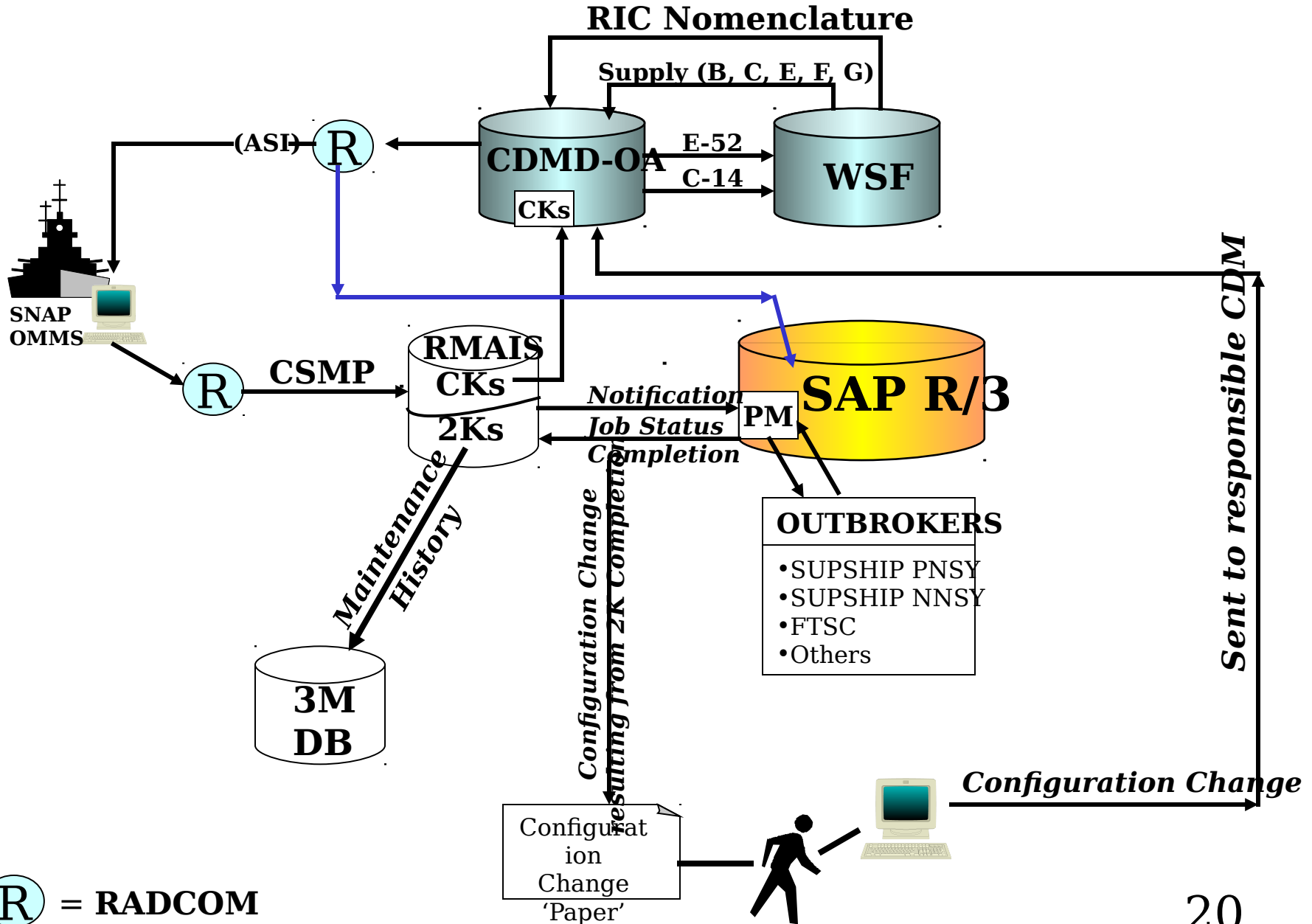   - ESWBS

CDM Data Clean-Up (Cont.)

- Leveraging off Ship Visits
  - Status on Validation Working Group's Findings

PHASE A INITIAL DATA LOAD (E-52)

PHASE A CHANGE UPDATES (ASI)

RIC Nomenclature

Supply (B, C, E, F, G)

(ASI) — R

CDMD-OA

E-52

C-14

WSF

CKs

SNAP OMMS

R — CSMP —

RMAIS
CKs
2Ks

Notification
Job Status
Completion

PM

SAP R/3

Maintenance History

Configuration Change resulting from 2k Completion

OUTBROKERS
- SUPSHIP PNSY
- SUPSHIP NNSY
- FTSC
- Others

3M DB

Configuration Change 'Paper'

Configuration Change

Sent to responsible CDM

R = RADCOM

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BREAK/ LUNCH

"SAP R/3Screen"

- SHIP CLASS HSC DISPARITY (Examples)
  - AOE-10 (6th Digit)
    - 521211= FIRE PUMP NO 1
    - 521212= FIRE PUMP NO 2
  - FFG-32 (7th Digit)
    - 5212111000=FIREPUMP NO.1
    - 5212112000=FIREPUMP NO.2
  - LSD-36 (No Known Pattern)
    - 521210000033=FIRE PUMP NO.2
    - 521210000034=NO3 FIRE PUMP

Functional Location vs.HSC Proposal

22 August 2001

- **CONCEPT** of creating meaningful Functional Locations using the Standardized ESWBS + 1 or 2 Digits will facilitate roll up Cost, Metrics & Maintenance analysis at the systems level.

- Equipment Level
  - SAP Reporting Tool will capture specific equipment statistics.
  - Equipment Numbers in SAP are uniquely assigned similar to CDMD-OA "RIN" numbers.
  - Equipment Number will always remain assigned to that piece of equipment regardless of whether its in use or refurbished or in stock for reissue.

Open Action Items

- Continuous Validation Concept-criteria for high/low confidence level. Determine data elements to be reviewed for confidence level- **All members/Validation Working Group**
- SEA 04L5 to put process in place to obtain data from resources conducting ship visits. **SEA 04L5/Validation Working Group to brief at this meeting**
- Review current new construction contract tech data package requirements to establish formats for future new construction contracts incorporating new ERP requirements-**All members**
- Define "deployment" for purposes of suspending ASI processing-**All members**
- Suspending ASI-NSLC/NAVICP investigate data churn from last BG deployment and research at what point R-Triggers dropped-**NAVICP/NSLC to brief at this meeting**

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Business Process Reengineering

- Reengineering drives many changes
- Nine Major Assessment Issues
  1. Has the Directorate reassessed its mission and strategic goals?
  2. Has the Directorate identified performance problems and set improvement goals?
  3. Should the Directorate engage in reengineering?
  4. Is the reengineering project appropriately managed?
  5. Has the Project Team analyzed the target process and developed feasible alternative?

Business Process Reengineering

- Nine Major Assessment Issues (cont.)

  6 Has the Project Team completed a sound business case complete for implementing the new process?

  7 Is the Directorate following a comprehensive implementation plan?

  8 Are Directorate Executives addressing change management issues?

  9 Is the new process achieving the desired results?
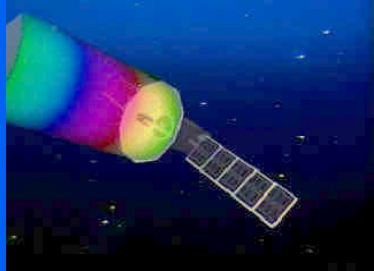
Closing Remarks

- NAVSEA 04L5
  - Cross-Pilot Participation
  - Phase A Implementation
  - Phase C Focus
  - Business Process Reengineering
- <u>Bottom Line</u>:*We need to make the adequate investment to ensure CM capabilities are sufficient to support the ambitious ERP implementation timeline and the seamless information technology infrastructure of the future.*